

WHAT IS CLAIMED IS:

1. A system for providing an exhibition information service through wireless communication, comprising:

wireless connection devices for preparing for connection to a wireless terminal in a service region, and outputting information related to the wireless terminal through a network;

5 and

an exhibition information server for inputting the information output by the network and processing an information service corresponding to the information input from the network.

2. The system according to claim 1, wherein each of the wireless connection devices respectively comprise:

a wire communication processing unit for transmitting a signal from the wireless terminal to the exhibition information server through the network, and receiving data from

5 the exhibition information server through the network; and

a wireless communication processing unit for receiving the signal from the wireless terminal, and transmitting the data through air according to a data transmission request signal output from the exhibition information server through the network and received in the wire communication processing unit.

3. The system according to claim 2, wherein said each of the wireless connection devices further comprise a control unit for setting up an address for connection and communicating with the wireless terminal, when receiving a connection request signal from the wireless terminal, and for controlling the connection or disconnection of the wireless

5 terminal.

4. The system according to claim 3, wherein said each of the wireless connection devices further comprise a data converting unit for converting the signal from the wireless

terminal into data which can be transmitted through the network, and also converting data from the exhibition information server into data which can be transmitted through air.

5. The system according to claim 1, wherein the exhibition information server comprises:

an interface processing unit for performing a communication between the wireless terminal and at least one of the wireless connection devices according to the information related to the wireless terminal output through the network;

a connection/disconnection processing unit for reading the data processed in the interface processing unit, and enabling the wireless connection devices to set up the connection or disconnection to/from the wireless terminal;

an exhibition menu providing unit for providing data including an exhibition information menu so that the wireless terminal connected to said at least one of the wireless connection devices can read information about the exhibits, when the connection setup is processed by the connection/disconnection processing unit; and

an input/output data processing unit for receiving data from said at least one of the wireless connection devices, and outputting information corresponding to the menu selection signal from the wireless terminal according to the output data from the exhibition menu providing unit.

6. The system according to claim 5, wherein the exhibition information server further comprises an exhibition database for storing information related to the exhibits in order to provide the exhibition information of the exhibits.

7. The system according to claim 6, wherein the exhibition information server further comprises a wireless connection device database for storing position information of the wireless connection device connected to the wireless terminal, and data related to one of the exhibits, which the wireless terminal selects in order to read the exhibition information.

8. The system according to claim 7, wherein the exhibition information server further comprises a wireless connection information database for storing the information of the wireless terminal connected to the wireless connection device.

9. A method for providing an exhibition information service through wireless communication, comprising:

a wireless connection step for preparing for connection to a wireless terminal in a service region, and outputting information related to the wireless terminal through a network;

5 and

an exhibition information service step for inputting the information output by the network and processing an information service corresponding to the information input from the network.

10. The method according to claim 9, wherein the wireless connection step comprises the steps of:

judging whether a connection request signal is received from the wireless terminal;
transmitting a connection command signal between a wireless connection device and

5 the wireless terminal; and

providing initial screen data including an exhibition information menu, to the wireless terminal.

11. The method according to claim 10, wherein the exhibition information service step comprises the steps of:

judging whether a selection signal for a specific exhibit is received from the wireless terminal according to the initial screen data; and

5 providing exhibition information of the exhibit corresponding to the selection signal.

12. The method according to claim 11, wherein, when the exhibition information relates to an art object, the exhibition information comprises explanations of the selected art object and information related to the artist thereof.

13. The method according to claim 12, wherein the explanations of the art object comprise at least one of a genre, constitution, representation technique, production process, appreciation method and appreciation article.

14. The method according to claim 11, wherein the step of providing the exhibition information of the selected exhibit comprises the steps of:

confirming a connection state between the wireless terminal and the wireless connection device for providing the exhibition information service; and

5 providing the exhibition information for the selected exhibit according to the confirmed information.

15. The method according to claim 14, wherein the step of confirming the wireless connection device for providing the exhibition information service, comprises the steps of:

detecting a position of the wireless connection device connected to the wireless terminal, and a position of the exhibit selected by the wireless terminal; and

5 judging whether the detected wireless connection device is set up to provide the exhibition information service for the selected exhibit to the wireless terminal.

16. The method according to claim 15, further comprising the steps of:

transmitting a disconnection command signal from the wireless terminal to the wireless connection device, when the detected wireless connection device cannot provide the exhibition information service; and

5 connecting the wireless terminal disconnected from the wireless connection device according to the disconnection command, to another wireless connection device that is set up

to provide the exhibition information service, and providing the exhibition information service according to the selection signal.

17. The method according to claim 14, wherein the step for providing the exhibition information of the selected exhibit comprises the steps of:

providing a detailed menu corresponding to the exhibition information of the selected exhibit according to the selection signal; and

5 providing detailed information related to the selected exhibit according to the selection signal of the detailed menu.

18. A method for providing an exhibition information service through wireless communication, comprising the steps of:

preparing for connection for wireless communication with a wireless terminal in a service region;

5 wireless-connecting to the wireless terminal according to a connection signal; and transmitting an initial screen to provide the exhibition information service to the wireless terminal.

19. The method according to claim 18, further comprising a step of providing the exhibition information service according to a selection signal of the initial screen from the wireless terminal.

20. A method for providing an exhibition information service through wireless communication, comprising the steps of:

preparing for connection for wireless communication with a wireless connection device in a service region; and

5 receiving an initial screen from the wireless connection device in order to read exhibition information.

21. The method according to claim 20, further comprising the steps of:
selecting a menu in the initial screen in order to request the exhibition information service;
and receiving information corresponding to the menu selected by the wireless terminal.

0973645-101601